GC/MS Aromatics Report

Well: 029/05b-06

Field: Franklin

Country: United Kingdom

Shell Global Solutions International B.V., Rijswijk.

GC/MS aromatics data report
FPC_62106

Sample information

Sample ID	**FPC_62106**	Depth (ft)	**18877.99 - 18898.0**
Sample type	**Oil**	Formation	**-**
Country	**United Kingdom**	Age	**-**
Basin	**Central Trough**	Reservoir	**-**
Prospect	**-**	Sample date	**-**
Block	**029/05b**	Sample origin	**PROD**
Field	**Franklin**	Operator	**ULTRAMAR**
Well name	**029/05b-06**	Int. std. D10-Phenanthrene (ppm)	**89**
Well code	**FPCW_2827**		
Latitude	**56.965954**		
Longitude	**1.864936**		

Peak Data Table
FPC_62106

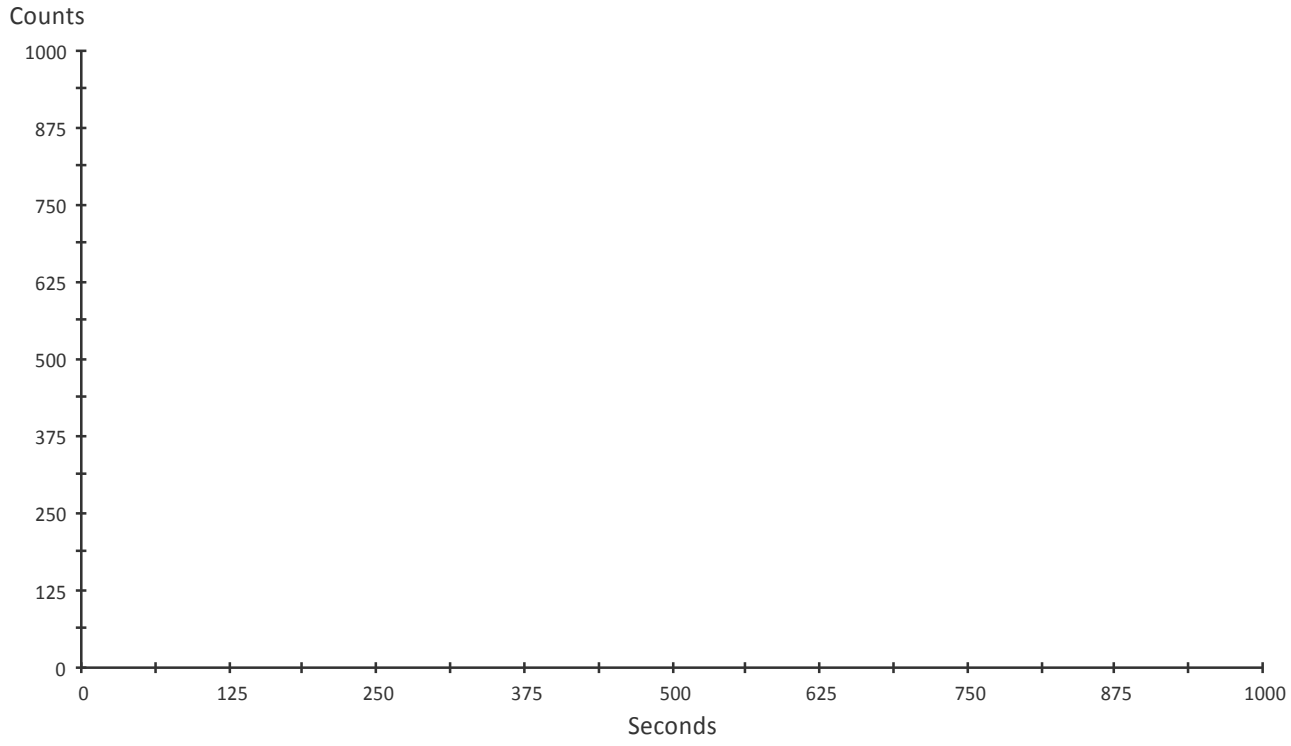
Peak name	Ion	Area
2,3,6_TMB_C15arylisoprenoid	134.10	-
2,3,6_TMB_C16arylisoprenoid	134.10	-
2,3,6_TMB_C17arylisoprenoid	134.10	-
2,3,6_TMB_C18arylisoprenoid	134.10	-
2,3,6_TMB_C19arylisoprenoid	134.10	-
2,3,6_TMB_C20arylisoprenoid	134.10	-
2,3,6_TMB_C21arylisoprenoid	134.10	-
2,3,6_TMB_C22Barylisoprenoid	134.10	-
2,3,6_TMB_C23arylisoprenoid	134.10	-
2-methylnaphtalene	142.10	15412742.00
1-methylnaphtalene	142.10	2312402.75
2,6-dimethylnaphthalene	156.10	2693348.25
2,7-dimethylnaphthalene	156.10	2932251.00
1,3+1,7-dimethylnaphthalene	156.10	2153641.00
1,6-dimethylnaphthalene	156.10	1412981.38
1,5-dimethylnaphthalene	156.10	74354.19
2,3-dimethylnaphthalene	156.10	762018.75
1,2-dimethylnaphthalene	156.10	73969.27
1,3,7-trimethylnapthalene	170.10	453801.81
1,3,6-trimethylnapthalene	170.10	635577.88
1,3,5+1,4,6-trimethylnapthalene	170.10	223661.56
2,3,6-trimethylnapthalene	170.10	489120.41
1,2,7-trimethylnapthalene	170.10	20739.73
1,6,7-trimethylnapthalene	170.10	255116.50
1,2,6-trimethylnapthalene	170.10	119846.77
1,2,4-trimethylnapthalene	170.10	15517.07
1,2,5-trimethylnapthalene	170.10	75863.57
Phenanthrene	178.10	15941793.00
1,3,5,7-tetramethylnapthalene	184.10	105199.63
1,3,6,7-tetramethylnapthalene	184.10	83914.33
1,2,4,7-tetramethylnapthalene	184.10	27434.04
1,2,5,7-tetramethylnapthalene	184.10	21738.85
2,3,6,7-tetramethylnapthalene	184.10	31362.79
1,2,6,7-tetramethylnapthalene	184.10	37623.84
1,2,5,6-tetramethylnapthalene	184.10	9964.87
Dibenzothiophene	184.10	804560.62
D10-Phenanthrene (Intern. Std.)	188.10	2328539.75
3-methylphenanthrene	192.10	5609099.00
2-methylphenanthrene	192.10	6770458.50
9-methylphenanthrene	192.10	651483.06
1-methylphenanthrene	192.10	811340.75
Cadalene	198.00	-
4-methyldibenzothiophene	198.10	556714.44
3+2-methyldibenzothiophene	198.10	362194.22
1-methyldibenzothiophene	198.10	14008.43
4,5-dimethylphenanthrene	206.20	38772.47
2,6+3,6-dimethylphenanthrene	206.20	1110531.62
3,5-dimethylphenanthrene	206.20	1187876.62
2,7-dimethylphenanthrene	206.20	873996.31
3,9-dimethylphenanthrene	206.20	547728.06
1,6+2,5+2,9-dimethylphenanthrene	206.20	334454.69
1,7-dimethylphenanthrene	206.20	262450.81
1,9+4,9-dimethylphenanthrene	206.20	259690.41
1,8-dimethylphenanthrene	206.20	38041.98
1,2-dimethylphenanthrene	206.20	11172.37

Peak name	Ion	Area
TA_C20	231.20	36070.05
TA_C21	231.20	43643.59
TA_C22_20S	231.20	5262.96
TA_C22_20R	231.20	4498.01
TA_C26_20S	231.20	1192.72
TA_C26_20R_C27_20S	231.20	2056.86
TA_C28_20S_A+B	231.20	1681.08
TA_C27_20R	231.20	2362.19
TA_C29_20S_A	231.20	472.70
TA_C29_20S_B	231.20	1091.76
TA_C28_20R	231.20	1643.60
MA_C21_A	253.20	-
MA_C21_B	253.20	-
MA_C22_A	253.20	-
MA_C22_B	253.20	-
MA_C27_I_20S	253.20	-
MA_C27_V_20S	253.20	-
MA_C27_I_20R_C27_V_20R	253.20	-
MA_C27_II_20S	253.20	-
MA_C28_I_20S	253.20	-
MA_C28_V_20S	253.20	-
MA_C27_II_20R	253.20	-
MA_C28_II_20S	253.20	-
MA_C28_I_20R_C28_V_20R	253.20	-
MA_C29_I_20S_C29_V_20S	253.20	-
MA_C29_II_20S	253.20	-
MA_C28_II_20R	253.20	-
MA_C29_I_20R_C29_V_20R	253.20	-

Sample	**FPC_62106**	Sample type	**Oil**	Analysis	**GC-MSD in SIM mode**
Depth	**18878.0-18898.0ft**	Fraction	**Aromatic**	Analysis date	**19-FEB-2013**

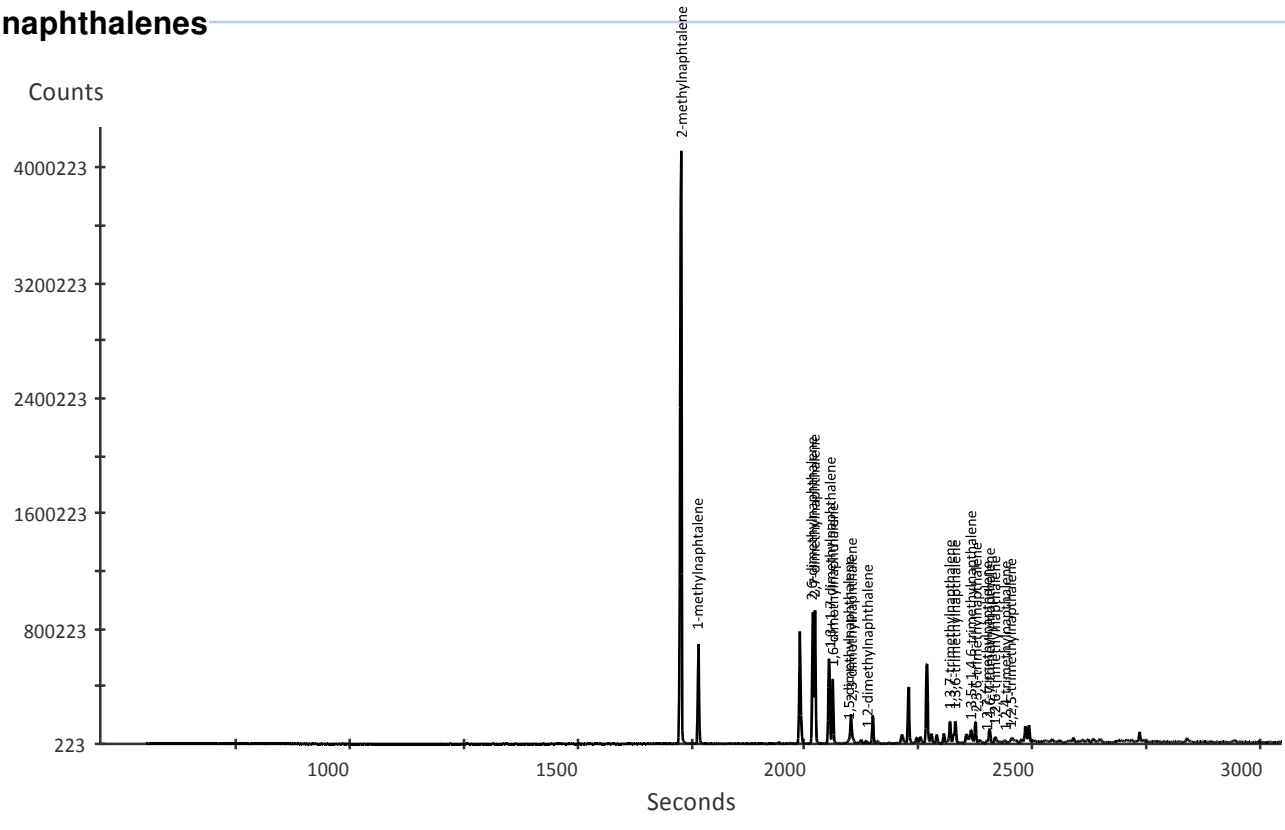
m/z	signal intensity
134.1	**1,000**

Alkyl-trimethylbenzenes



m/z	signal intensity
142.1+156.1+170.1	**4,282,904.52**

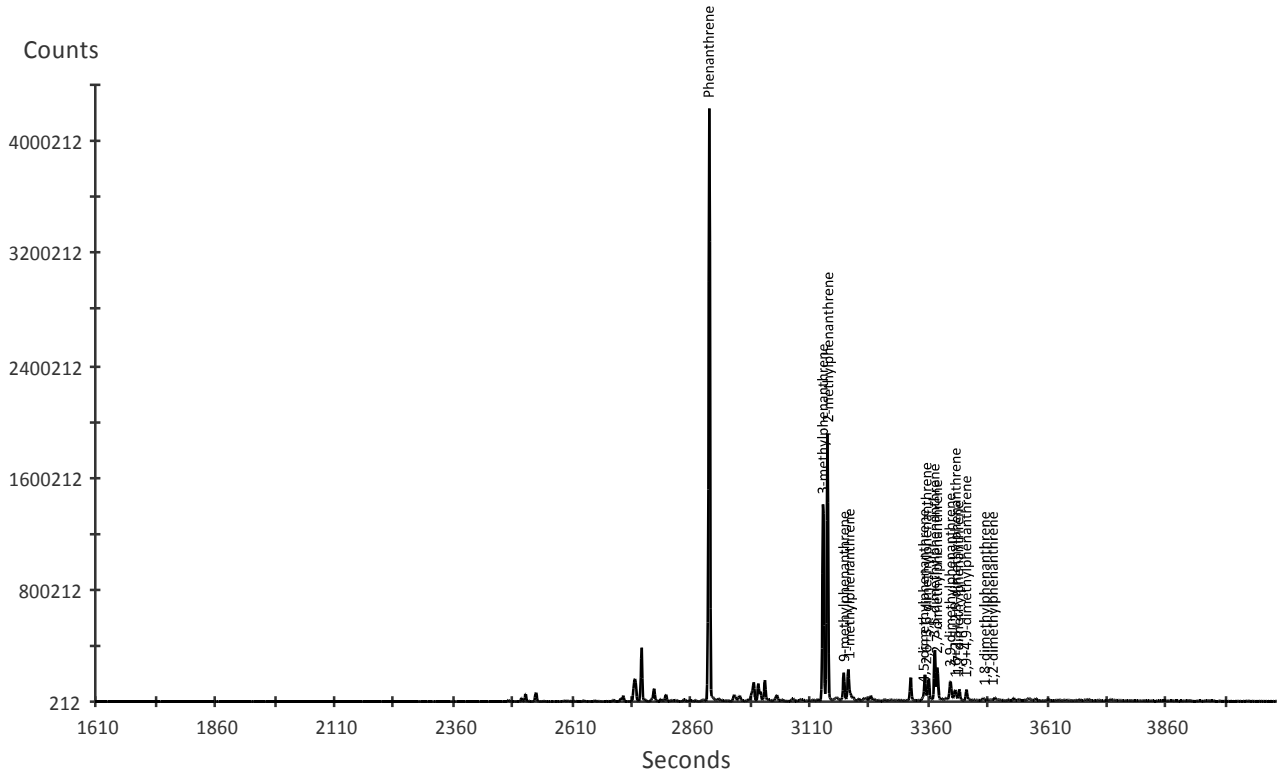
Methylnaphthalenes



Sample	**FPC_62106**	Sample type	**Oil**	Analysis	**GC-MSD in SIM mode**
Depth	**18878.0-18898.0ft**	Fraction	**Aromatic**	Analysis date	**19-FEB-2013**

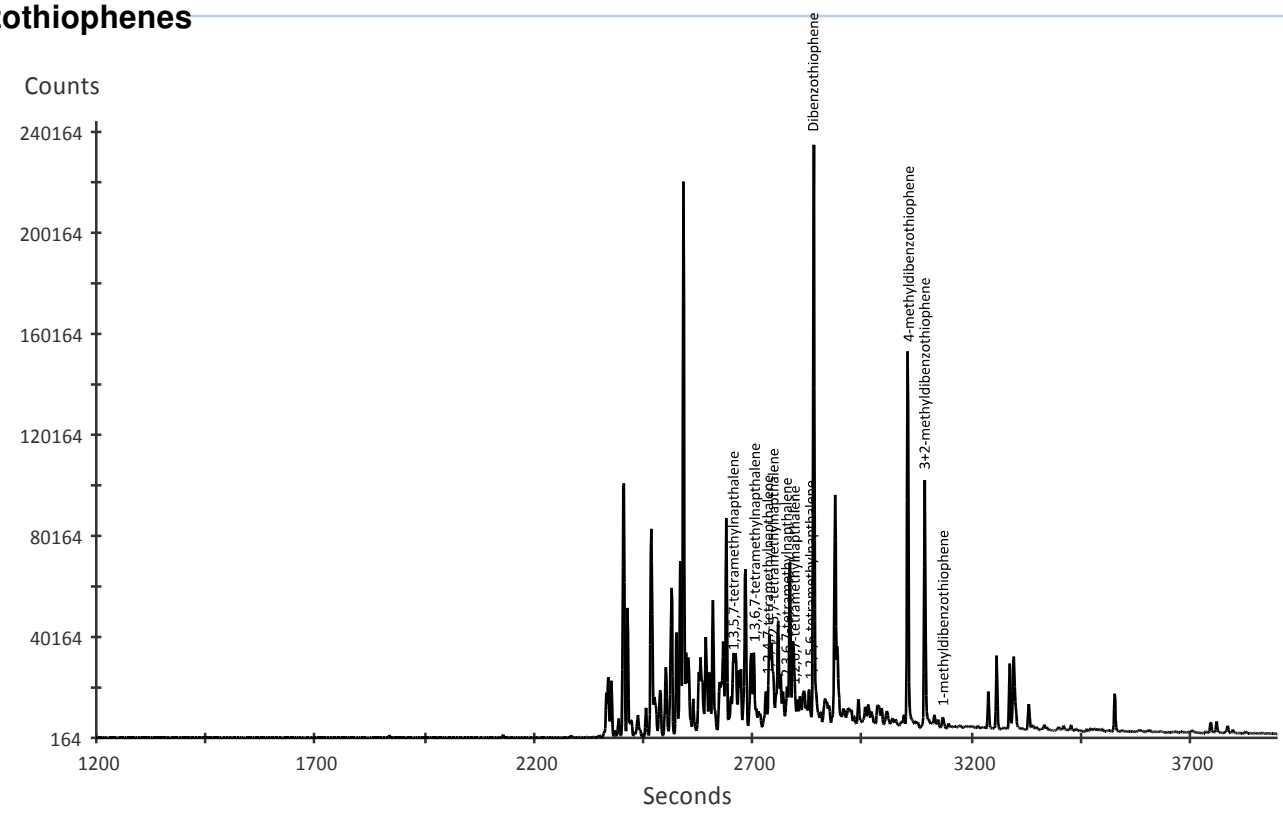
m/z	signal intensity
178.1+192.1+206.1	**4,404,167.92**

Methylphenanthrenes



m/z	signal intensity
184.0+198.1+212.1	**244,843.76**

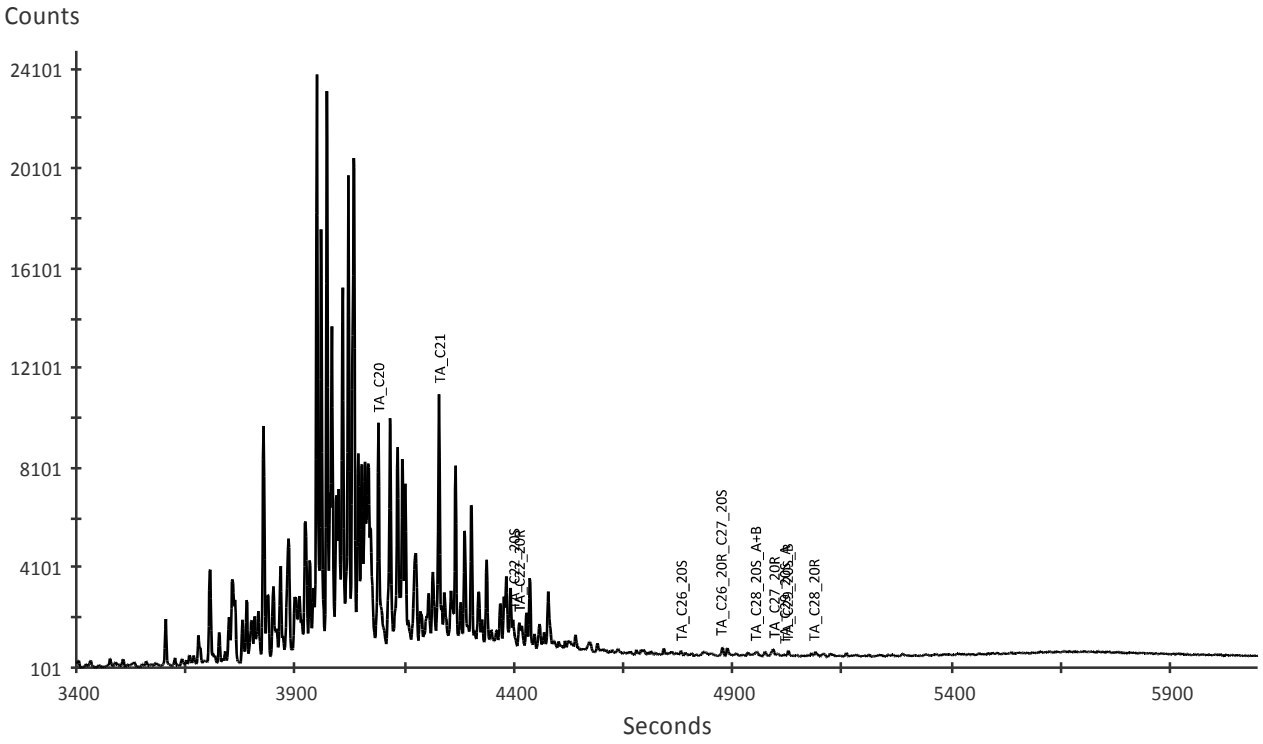
Dibenzothiophenes



Sample	**FPC_62106**	Sample type	**Oil**	Analysis	**GC-MSD in SIM mode**
Depth	**18878.0-18898.0ft**	Fraction	**Aromatic**	Analysis date	**19-FEB-2013**

m/z	signal intensity
231.1	**24,806.2**

Triaromatic steroids



m/z	signal intensity
253.2	**31,447.24**

Monoaromatic steroids